

(CAS/STN FILE 'HCAPLUS' ENTERED AT 11:55:42 ON 28 APR 2006)

L1 1079 SEA ABB=ON PLU=ON (LOCALIS##### OR LOCALIZ##### OR LOCATION#
OR SPOT OR LOCUS OR POSITION##### OR SITE OR SELECTIVE) (2A
)ANNEAL#####
L2 16587 SEA ABB=ON PLU=ON (BEAM OR RADIAT##### OR IRRADIAT##### OR
ELECTRON OR EBEAM OR LASER) (2A)ANNEAL#####
L3 167 SEA ABB=ON PLU=ON L1 AND L2

FILE 'STNGUIDE' ENTERED AT 12:49:30 ON 28 APR 2006

FILE 'HCAPLUS' ENTERED AT 12:53:01 ON 28 APR 2006

L4 22728 SEA ABB=ON PLU=ON (BEAM OR RADIAT##### OR IRRADIAT##### OR
ELECTRON OR EBEAM OR LASER) (5A)ANNEAL#####
L5 1 SEA ABB=ON PLU=ON US2005202681/PN
L6 1820 SEA ABB=ON PLU=ON "LASER ANNEALING"/CT
L7 70157 SEA ABB=ON PLU=ON ANNEALING/CT
L8 5767 SEA ABB=ON PLU=ON L7(L) (BEAM OR RADIAT##### OR IRRADIAT#####
OR ELECTRON OR EBEAM OR LASER)
L9 542 SEA ABB=ON PLU=ON (L6 OR L7) (L) (LOCALIS##### OR LOCALIZ#####
OR LOCATION##### OR SPOT OR LOCUS OR POSITION##### OR SITE OR
SELECTIVE###)
L10 1373 SEA ABB=ON PLU=ON L1 OR L9
L11 234 SEA ABB=ON PLU=ON L10 AND (L2 OR L3 OR L6 OR L8)
L12 234 SEA ABB=ON PLU=ON L11 AND (BEAM OR RADIAT##### OR IRRADIAT##
OR ELECTRON OR EBEAM OR LASER)
L13 234 SEA ABB=ON PLU=ON L12 AND ?ANNEAL?
L14 6 SEA ABB=ON PLU=ON L13 AND ETCH##### (8A)ANNEAL#####
L15 7 SEA ABB=ON PLU=ON L13 AND ETCH#####/TI,ST,CT,IT AND
ANNEAL#####/TI,ST,CT,IT
L16 8 SEA ABB=ON PLU=ON L14 OR L15
L17 4 SEA ABB=ON PLU=ON L16 AND (DEFIN##### OR ?PATTERN?)
L18 0 SEA ABB=ON PLU=ON L16 AND METAL#### (2A)OXID####

FILE 'REGISTRY' ENTERED AT 12:59:21 ON 28 APR 2006

L19 26481 SEA ABB=ON PLU=ON ZN/ELS,MAC AND (OXIDE OR DIOXIDE OR
DIOXIDE)
L20 12860 SEA ABB=ON PLU=ON SN/ELS,MAC AND (OXIDE OR DIOXIDE OR
DIOXIDE)
L21 5210 SEA ABB=ON PLU=ON IN/ELS,MAC AND (OXIDE OR DIOXIDE OR
DIOXIDE)

FILE 'HCAPLUS' ENTERED AT 13:01:02 ON 28 APR 2006

L22 0 SEA ABB=ON PLU=ON L16 AND (L19 OR L20 OR L21 OR ITO OR ZITO
OR ITZO OR IZTO OR TIZO OR TZIO OR ZNO#### OR SNO#### OR
ITO##)

FILE 'STNGUIDE' ENTERED AT 13:01:45 ON 28 APR 2006

FILE 'HCAPLUS' ENTERED AT 13:05:19 ON 28 APR 2006

L23 6712 SEA ABB=ON PLU=ON ANNEAL##### AND (L19 OR L20 OR L21 OR ITO
OR ZITO OR ITZO OR IZTO OR TIZO OR TZIO OR ZNO#### OR SNO####
OR ITO##)
L24 29 SEA ABB=ON PLU=ON (L1 OR L9) AND L23
L25 29 SEA ABB=ON PLU=ON L24 NOT L16

L26 6 SEA ABB=ON PLU=ON L25 AND (ETCH##### OR PATTERN##### OR
GROOV##### OR GRAT####)
L27 SEL PLU=ON L5 1- IPCR IPCI INCL NCL IC : 12 TERMS
L28 148891 SEA ABB=ON PLU=ON L27
L29 2 SEA ABB=ON PLU=ON L25 AND L28
L30 0 SEA ABB=ON PLU=ON L16 AND L25
L31 15 SEA ABB=ON PLU=ON (L9 OR L13) AND L25
L32 25 SEA ABB=ON PLU=ON L16 OR L17 OR L26 OR L29 OR L31
L33 24 SEA ABB=ON PLU=ON L32 NOT L5
L34 4 SEA ABB=ON PLU=ON L33 AND LOCAL#####
L35 12 SEA ABB=ON PLU=ON L33 AND SELECT#####
L36 16 SEA ABB=ON PLU=ON L33 AND (PRECIS##### OR ACCURA##### OR
REGION OR AREA OR ZONE OR LOCUS OR LOCAT##### OR POSITION####
OR SITE OR POINT OR SPECIFIC#### OR SPECIFY)
L37 23 SEA ABB=ON PLU=ON L34 OR L35 OR L36
L38 24 SEA ABB=ON PLU=ON L33 OR L37
L39 24 SEA ABB=ON PLU=ON L38 NOT L5

FILE 'STNGUIDE' ENTERED AT 13:14:18 ON 28 APR 2006

FILE 'HCAPLUS' ENTERED AT 13:25:57 ON 28 APR 2006

L40 5 SEA ABB=ON PLU=ON ANNEALING(L)LOCALISED

FILE 'HCAPLUS' ENTERED AT 13:26:01 ON 28 APR 2006

L41 1694 SEA ABB=ON PLU=ON ANNEALING(L)LOCALIZED

FILE 'HCAPLUS' ENTERED AT 13:26:08 ON 28 APR 2006

L42 71 SEA ABB=ON PLU=ON ANNEALING(1A)LOCALIZED
L43 0 SEA ABB=ON PLU=ON ANNEALING(1A)LOCALISED
L44 34 SEA ABB=ON PLU=ON (L40 OR L41 OR L42) AND L23
L45 33 SEA ABB=ON PLU=ON L44 NOT (L39 OR L5)
L46 1 SEA ABB=ON PLU=ON L45 AND ?PATTERN?
L47 104 SEA ABB=ON PLU=ON LOCAL#####(W)ANNEAL#####
L48 0 SEA ABB=ON PLU=ON L23 AND L47
L49 148 SEA ABB=ON PLU=ON LOCAL#####(1W)ANNEAL#####
L50 198 SEA ABB=ON PLU=ON LOCAL#####(2W)ANNEAL#####
L51 1 SEA ABB=ON PLU=ON L23 AND L50
L52 129 SEA ABB=ON PLU=ON SELECTIV####(1W)ANNEAL#####
L53 4 SEA ABB=ON PLU=ON L23 AND L52
L54 3 SEA ABB=ON PLU=ON (L53 OR L51 OR L46) NOT (L39 OR L5)
E JP 61120426/RE

FILE 'DPCI' ENTERED AT 13:46:58 ON 28 APR 2006

L55 2 SEA ABB=ON PLU=ON JP61120426/PN.D

FILE 'STNGUIDE' ENTERED AT 13:47:18 ON 28 APR 2006

FILE 'HCAPLUS' ENTERED AT 13:48:29 ON 28 APR 2006

L56 325 SEA ABB=ON PLU=ON LASER ANNEALING(L)RECRYST?
L57 12634 SEA ABB=ON PLU=ON ANNEALING(L)RECRYST?
L58 14059 SEA ABB=ON PLU=ON ANNEALING(L)CRYSTALLIZ?
L59 0 SEA ABB=ON PLU=ON ANNEALING(L)CRYSTALIZ?
L60 0 SEA ABB=ON PLU=ON ANNEALING(L)CRYSTALIS
L61 40 SEA ABB=ON PLU=ON ANNEALING(L)CRYSTALLIS?
L62 325 SEA ABB=ON PLU=ON LASER ANNEALING(L)RECRYST?

L63 0 SEA ABB=ON PLU=ON LASER ANNEALING(L)CRYSTALI?
 L64 1097 SEA ABB=ON PLU=ON LASER ANNEALING(L)CRYSTALL?
 L65 603 SEA ABB=ON PLU=ON LASER ANNEALING(L)CRYSTN
 L66 10526 SEA ABB=ON PLU=ON ANNEALING(L)CRYSTN
 L67 26076 SEA ABB=ON PLU=ON (L56 OR L57 OR L58 OR L59 OR L60 OR L61 OR
 L62 OR L63 OR L64 OR L65 OR L66)
 L68 301 SEA ABB=ON PLU=ON (LOCALISED OR SELECTIVE##) (1A)ANNEAL#####

 L69 36 SEA ABB=ON PLU=ON L67 AND L68
 L70 34 SEA ABB=ON PLU=ON L69 NOT ((L39 OR L5) OR L54)
 L71 0 SEA ABB=ON PLU=ON L70 AND (L19 OR L20 OR L21)
 L72 12 SEA ABB=ON PLU=ON L70 AND OXIDE
 L73 11 SEA ABB=ON PLU=ON L70 AND METAL#####
 L74 4 SEA ABB=ON PLU=ON L70 AND PATTERN#####
 L75 4 SEA ABB=ON PLU=ON L72 AND L73
 L76 7 SEA ABB=ON PLU=ON L74 OR L75
 L77 4119 SEA ABB=ON PLU=ON (LOCALISED OR LOCALIZED OR SELECTIVE##) (1A)
 (ANNEAL##### OR LASER OR RECRYST##### OR CRYSTN OR CRYSTD)
 L78 33 SEA ABB=ON PLU=ON L77 AND (L19 OR L20 OR L21)
 L79 26 SEA ABB=ON PLU=ON L77 AND METAL####(W)OXIDE
 L80 55 SEA ABB=ON PLU=ON L78 OR L79
 L81 48 SEA ABB=ON PLU=ON L80 NOT ((L39 OR L5) OR L54)
 L82 13 SEA ABB=ON PLU=ON L81 AND (GRAT### OR ?PATTERN?)

FILE 'WPIX, JAPIO, HCAPLUS, INSPEC' ENTERED AT 14:21:35 ON 28 APR 2006

L83 61 SEA ABB=ON PLU=ON (LOCALIZED OR LOCALISED) (W) ANNEAL#####
 L84 8 SEA ABB=ON PLU=ON (LOCALIZED OR LOCALISED) (W) LASER(W)
 ANNEAL#####
 L85 69 SEA ABB=ON PLU=ON L83 OR L84
 L86 14 SEA ABB=ON PLU=ON L85 AND THIN FILM
 L87 2 SEA ABB=ON PLU=ON L85 AND ULTRATHIN
 L88 0 SEA ABB=ON PLU=ON L85 AND ULTRA THIN
 L89 14 SEA ABB=ON PLU=ON L86 OR L87

FILE 'REGISTRY' ENTERED AT 16:03:17 ON 28 APR 2006

L90 751 SEA ABB=ON PLU=ON L20 AND L21

FILE 'HCAPLUS' ENTERED AT 16:04:09 ON 28 APR 2006

L91 173 SEA ABB=ON PLU=ON L90(L) (ANNEAL? OR RTA OR RTP OR THERMAL
 PROCESS#####)

FILE 'HCAPLUS' ENTERED AT 16:04:38 ON 28 APR 2006

L92 182 SEA ABB=ON PLU=ON L90(L) (ANNEAL? OR RTA OR RTP OR THERMAL##
 PROCESS##### OR THERMAL## TREAT#####)
 L93 105 SEA ABB=ON PLU=ON L90(L) (SELECTIV##### OR LOCAL#####)
 L94 1391 SEA ABB=ON PLU=ON (SELECTIV##### OR LOCAL#####) (2A) (RECRYST?
 OR RE CRYST##### OR ANNEAL? OR RTA OR RTP OR THERMAL##
 PROCESS##### OR THERMAL## TREAT#####)
 L95 3 SEA ABB=ON PLU=ON L90(L) (RECRYST? OR RE CRYST#####)
 L96 260 SEA ABB=ON PLU=ON (ITO OR INSNO### OR INDIUM TIN) (3A) (RECRYST
 ? OR RE CRYST##### OR ANNEAL? OR RTA OR RTP OR THERMAL##
 PROCESS##### OR THERMAL## TREAT#####)
 L97 268 SEA ABB=ON PLU=ON (ITO OR INSNO### OR INDIUM TIN) (3A) LASER

L98 127604 SEA ABB=ON PLU=ON (ANOTHER OR SECOND OR 2ND OR DIFFER#####) (3
A) (IRRADIAT? OR RADIAT#### OR LASER OR POWER OR WAVELENGTH OR
FREQUENCY OR ENERGY OR LASER)
L99 2066 SEA ABB=ON PLU=ON (L92 OR L93 OR L94 OR L95 OR L96 OR L97)
L100 25 SEA ABB=ON PLU=ON L99 AND L98
L101 9213 SEA ABB=ON PLU=ON (ITO OR INSNO### OR INDIUM TIN) (3A) (FILM
OR ?LAYER?)
L102 399 SEA ABB=ON PLU=ON L99 AND L101
L103 5 SEA ABB=ON PLU=ON L100 AND L102
D ALL HITSTR TOT

FILE 'STNGUIDE' ENTERED AT 16:12:31 ON 28 APR 2006

FILE 'HCAPLUS' ENTERED AT 16:14:09 ON 28 APR 2006

L104 13 SEA ABB=ON PLU=ON L97 AND (L92 OR L93 OR L94 OR L95 OR L96)
L105 156 SEA ABB=ON PLU=ON L97 AND L101
L106 0 SEA ABB=ON PLU=ON L104 AND L98
L107 4 SEA ABB=ON PLU=ON L105 AND L98
L108 0 SEA ABB=ON PLU=ON L107 NOT L103
L109 215 SEA ABB=ON PLU=ON L98 AND (L96 OR L97 OR L101 OR L90)
L110 15238 SEA ABB=ON PLU=ON (ANOTHER OR SECOND OR 2ND OR DIFFER#####) (3
A) LASER
L111 37 SEA ABB=ON PLU=ON L109 AND L110
L112 20 SEA ABB=ON PLU=ON LASER(5A) (COAT#### OR FILM OR ?LAYER?) AND
L111
L113 19 SEA ABB=ON PLU=ON L112 NOT L103
L114 7 SEA ABB=ON PLU=ON L113 AND 1998-2003/PY
L115 2 SEA ABB=ON PLU=ON L113 AND 1998-2001/PRY
L116 4 SEA ABB=ON PLU=ON L113 AND 1998-2002/PRY
L117 0 SEA ABB=ON PLU=ON L113 AND 2004-2006/PRY
D L113 ALL HITSTR TOT

FILE 'STNGUIDE' ENTERED AT 16:18:45 ON 28 APR 2006

FILE 'HCAPLUS' ENTERED AT 16:34:30 ON 28 APR 2006

L118 79610 SEA ABB=ON PLU=ON PULS#### (3A) (LASER OR EXCIMER)
L119 17268 SEA ABB=ON PLU=ON (LASER(3A) EXCIMER)
L120 359 SEA ABB=ON PLU=ON (L118 OR L119) AND (ITO OR L90)
L121 7 SEA ABB=ON PLU=ON L120 AND ITO(3A) ANNEAL#####
L122 7 SEA ABB=ON PLU=ON L121 NOT (L113 OR L103)
D ALL HITSTR TOT
L123 375 SEA ABB=ON PLU=ON ITO(3A) (PARTIAL## OR PART#### OR ZONE OR
REGION OR AREA)
L124 21 SEA ABB=ON PLU=ON ITO(3A) LOCAL#####
L125 6 SEA ABB=ON PLU=ON L120 AND (L123 OR L124)
L126 5 SEA ABB=ON PLU=ON L125 NOT (L122 OR L113 OR L103)
D ALL HITSTR TOT
L127 388 SEA ABB=ON PLU=ON L90(L) LASER
L128 185 SEA ABB=ON PLU=ON L120 AND L127
L129 176 SEA ABB=ON PLU=ON L128 NOT (L126 OR L122 OR L113 OR L103)
L130 1 SEA ABB=ON PLU=ON L129 AND L90(L) CHANG#####
D ALL HITSTR
L131 175 SEA ABB=ON PLU=ON L129 NOT L130
L132 26 SEA ABB=ON PLU=ON L131 AND ?PATTERN?
L133 14 SEA ABB=ON PLU=ON L131 AND (HEAT##### OR ANNEAL##### OR

```

THERMAL#### OR RTA OR RTP)/TI,ST,CT,IT
L134      175 SEA ABB=ON  PLU=ON  L131 AND LASER/TI,ST,CT,IT
L135      0 SEA ABB=ON  PLU=ON  L131 AND RECRYST?/TI,ST,IT,CT
L136      0 SEA ABB=ON  PLU=ON  L131 AND RE CRYST?/TI,ST,IT,CT
L137      0 SEA ABB=ON  PLU=ON  L131 AND RE CRYST?
L138      0 SEA ABB=ON  PLU=ON  L131 AND RECRYST?
L139      38 SEA ABB=ON  PLU=ON  L132 OR L133
L140      8 SEA ABB=ON  PLU=ON  L139 AND LAYERS
      D ALL HITSTR TOT
L141      20 SEA ABB=ON  PLU=ON  L139 NOT ABLAT?
L142      0 SEA ABB=ON  PLU=ON  L139 AND NONABLAT?
L143      0 SEA ABB=ON  PLU=ON  L139 AND NON ABLAT?
L144      14 SEA ABB=ON  PLU=ON  L141 NOT L140
      D ALL HITSTR TOT

```